

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	164	((HEATER OR HEATING ADJ ELEMENT OR RESISTANCE ADJ HEATER) (RELAY OR TRIAC OR SOLID ADJ STATE ADJ SWITCH) (MECHANICAL ADJ SWITCH OR SWITCH) (CONTROLLER)).CLM.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/13 14:11
S1	48	KNEPLER near JOHN	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/03/17 14:05
S2	19	(KNEPLER near JOHN) and thermostat	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/03/17 14:06
S3	1	electric adj thermostat near3 liquid	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/03/17 15:53
S4	150	electric adj thermostat	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/03/17 14:10
S5	0	(electric adj thermostat) and (solid adj state adj switch)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/03/17 14:11
S6	16	thermostat and (solid adj state adj switch) and (mechanical adj switch)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/03/17 14:20
S7	6	thermostat with (solid adj state and mechanical adj switch)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/03/17 14:23
S8	1	thermostat with ((solid adj state) or (solid-state) adj switch) with (mechanical adj switch)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/03/17 15:06
S10	95	((392/498).CCLS.) and thermostat	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/03/17 15:14
S11	9	(((392/498).CCLS.) and thermostat) and ((solid-state) or (solid adj state))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/03/17 15:33

EAST Search History

S12	12876	coffee and (thermister solid)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/03/17 15:42
S13	1244	(392/441,442,498,497).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/03/17 15:52
S14	1118	(219/482,488,491,507,448.14,448.16).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/03/17 15:53
S15	2345	((392/441,442,498,497).CCLS.) or ((219/482,488,491,507,448.14,448.16).CCLS.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/03/17 15:54
S16	258	(((392/441,442,498,497).CCLS.) or ((219/482,488,491,507,448.14,448.16).CCLS.)) and thermostat	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/03/17 15:54
S17	7	(((392/441,442,498,497).CCLS.) or ((219/482,488,491,507,448.14,448.16).CCLS.)) and thermister	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/03/17 15:54
S18	19	coffee and thermister	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/03/18 14:04
S19	13	(coffee and thermister) and switch	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/03/18 14:05
S20	5	((coffee and thermister) and switch) and solid	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/03/18 14:05
S27	14	("5692096") or ("6539173") or ("4853519") or ("3754118") or ("4853539") or ("3581062") or ("5392380").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/03 11:22
S28	1154	heater and relay and triac	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/10/03 11:23

EAST Search History

S29	11	heater and relay and triac and thermostat and thermister	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/10/03 11:25
S30	359	heater and relay and triac and heating adj element	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/10/03 11:26
S31	510	relay and triac and heating adj element	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/10/03 12:35
S32	224	relay and triac and heating adj element and "219"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/10/03 12:35
S34	112	S32 and (water or liquid or coffee)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/10/03 12:36
S35	531	water adj heater and solid adj state and control	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/10/03 16:56
S36	1	S35 and 392/464.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/10/03 17:05
S37	20	"4700256"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/10/04 10:04
S38	42	pid with thermostat	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/04 15:02
S39	2	pid with thermostat and (solid adj state or solid-state)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/04 13:50
S40	54	pid and thermostat and (solid adj state or solid-state) and switch	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/04 14:50

EAST Search History

S41	139	("1659719" "20020147426" "20020158058" "20020184906" "2175099" "2214215" "2576874" "2713112" "2741099" "2841132" "2885526" "2994760" "3051582" "3193339" "3241603" "3255816" "3329202" "3353589" "3386498" "3485245" "3536132" "3590215" "3612165" "3713302" "3777187" "3826305" "3858106" "3879171" "4024377" "4084080" "4090514" "4167663" "4189995" "4233495" "4309592" "4318276" "4328676" "4331859" "4364234" "4407133" "4419568" "4455478" "4464563" "4481410" "4495402" "4523078" "4605840" "4657004" "4678460" "4680445" "4684367" "4707587" "4726193" "4745248" "4801777" "4823554" "4832689" "4874033" "4894207" "4906816" "4910386" "4934336" "4935604" "4961320" "5013889" "5061241" "5061630" "5073167" "5081697" "5106373" "5108372" "5125900" "5183994" "5195976" "5217064" "5243172" "5243833" "5245693" "5250032" "5263323" "5263929" "5276310" "5282264" "5296684" "5297234" "5315830" "5333326" "5345923" "5364385" "5381510" "5397875" "5399007" "5408576" "5424512" "5483799" "5572873" "5653905" "5658478" "5661978" "5729653" "5733263" "5786568" "5879329" "5910210" "5924289" "5961492" "5977520" "5986239" "5989238" "6124572" "6129702" "6174300" "6175099" "6221045" "6254572" "6259067" "6294762" "6376805" "6384380" "6467953" "6566631"). PN. OR ("6768085").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/04 13:57
S42	90	beverage and pid	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/04 14:38
S43	0	beverage adj dispensorand and pid	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/04 14:38

EAST Search History

S44	0	beverage adj dispensor and pid	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/04 14:39
S45	3	beverage adj dispenser and pid	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/04 14:42
S46	1	liquid adj heating and pid and thermostat and solid adj state adj switch	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/04 14:44
S47	7	pid and thermostat and solid adj state adj switch	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/04 14:46
S48	18	pid and relay and solid adj state adj switch	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/04 14:48
S49	20	pid and (relay or mechanical adj switch) and solid adj state adj switch	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/04 14:48
S50	2	S49 not S48	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/04 14:49
S51	38	pid and thermostat and (solid adj state or solid-state) and (relay or mechanical adj switch)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/04 14:50
S54	0	"49987790"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/04 15:04
S55	4	"4998779"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/04 15:04
S56	36	(BIRD near DOUGLAS) or (UHRICH near DANIEL)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/04 15:05
S57	5	("5095747" "5131271" "5158793" "5880364").PN. OR ("6634279"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/04 15:09

EAST Search History

S58	5	("5095747" "5131271" "5158793" "5880364").PN. OR ("6634279").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/04 15:09
S59	11	"5113057"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/06 09:01
S60	28509	(relay or mechanical adj switch) and (triac or scr or solid adj state)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/06 13:52
S61	123174	("219"/\$.ccls.) or ("3922"/\$.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/06 13:51
S62	464	(relay or mechanical adj switch) and (triac or scr or solid adj state) and pid	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/06 13:52
S63	50	S61 and S62	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/06 14:07
S64	3	10/076112	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/06 14:07
S65	1	10/534,195	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/27 13:28
S66	64	KNEPLER near JOHN	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/03 14:41
S67	9	("4330702" "4478181" "4495405" "4564749" "4567353").PN. OR ("4853519").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 07:47
S68	2	(heater or heating adj element) with (solid adj state or triac) with (mechanical adj switch) with control\$4	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 07:54
S69	7	(heater or heating adj element) with (solid adj state or triac or relay) with (mechanical adj switch) with control\$4	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 07:53
S70	13	(heater or heating adj element) with (solid adj state or triac or relay) with (mechanical adj switch)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 09:27

EAST Search History

S71	4	(heater or heating adj element) with (solid adj state or triac) with (mechanical adj switch)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 07:55
S72	4	(heater or heating adj element) with (solid adj state or triacs) with (mechanical adj switch)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 07:59
S73	4	thermostat with (solid adj state or triacs) with (mechanical adj switch)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 07:59
S74	516	(392/498).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/04 07:57
S75	18	thermostat with (solid adj state or triacs) with (mechanical adj switch or bimetal)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 07:59
S76	23	(heater or heating adj element) with (solid adj state or triacs) with (mechanical adj switch or bimetal)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 07:59
S77	7	("4788415").URPN.	USPAT	OR	ON	2007/01/04 08:02
S78	3	("5347104").URPN.	USPAT	OR	ON	2007/01/04 08:04
S79	41	("20020134778" "20030085221" "20030213371" "3752956" "3924102" "3927345" "4328408" "4332992" "4335290" "4395233" "4477706" "4720623" "4865864" "4869876" "4923681" "4940869" "5254823" "5347104" "5438914" "5556448" "5756974" "5861720" "6060701" "6097000" "6218650" "6232582" "6262396" "6262406" "6291808" "6307185" "6337468" "6376817" "6384381" "6403937" "6472647" "6525301" "6528773" "6541746" "6566638" "6595117" "6603102").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 08:05
S80	0	("2004/0042772").URPN.	USPAT	OR	ON	2007/01/04 08:18
S81	663	(heater or heating adj element) with (solid adj state or triac) with (mechanical adj switch or relay)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 09:35
S82	29	(heater or heating adj element) with (solid adj state or triac) with (mechanical adj switch or relay) with (liquid or water or beverage)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 09:30
S83	1	10/456784	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 09:31

EAST Search History

S84	195	(heater or heating adj element) with (triac) with (mechanical adj switch or relay)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 09:38
S85	9545	(heater or heating adj element) with (semiconductor adj switch or SSR or (solid-state relay) or TRIAC) with (mechanical adj switch or relay)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 09:41
S86	171	S85 with thermostat with (liquid or water or beverage or coffee)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 09:40
S87	171	(heater or heating adj element) with (semiconductor adj switch or SSR or (solid-state relay) or TRIAC) with (mechanical adj switch or relay) with thermostat with (liquid or water or beverage or coffee)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 09:49
S88	1	(heater or heating adj element) with (semiconductor adj switch or SSR or solid adj state or TRIAC) with (mechanical adj switch) with thermostat with (liquid or water or beverage or coffee)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 09:42
S89	3	(heater or heating adj element) with (semiconductor adj switch or SSR or solid adj state or TRIAC) with (mechanical adj switch or relay) with thermostat with (liquid or water or beverage or coffee)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 09:42
S90	2	(heater or heating adj element) with (semiconductor adj switch or SSR or (solid-state adj relay) or TRIAC) with (mechanical adj switch or relay) with thermostat with (liquid or water or beverage or coffee)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 10:25
S91	2	"6907680"	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 10:25
S92	9	("3419708" "3647196" "4397101" "4418271" "5673497" "5696695" "5782012" "6079121").PN. OR ("6907680").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 10:26
S93	25	("3888075" "3969610" "4069750" "4155291").PN. OR ("4330702").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 12:56
S94	47278	method adj2 heating	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 12:56

EAST Search History

S95	542	method adj2 heating adj2 liquid	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 14:18
S96	114891	"219"\$/ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 14:19
S97	4651	S96 and method adj2 heating	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 14:20
S99	42	S96 and method adj2 heating adj liquid	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 14:27
S100	10	<u>S96</u> and method adj2 cooling adj liquid	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 14:30
S101	13	S96 and method adj2 cooling adj2 liquid	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 14:30
S102	25	S96 and method adj4 cooling adj2 liquid	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 14:30
S103	0	"10534195"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/25 13:31
S104	1	"10/534195"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/25 13:31
S105	8	"4993480"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/25 13:33
S106	12	((392/498).CCLS.) and thermostat) and ((solid-state) or (solid adj state))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/25 13:53
S107	105	((392/498).CCLS.) and thermostat	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/25 14:15
S108	7956	solid adj state adj switch	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/25 14:16

EAST Search History

S10 9	58	solid adj state adj switch with thermostat	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/25 14:22
S11 0	3	solid adj state adj switch with thermostat with mechanical adj switch	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/25 14:23
S11 1	291	(solid adj state adj switch or triac) with (thermostat or controller) with (mechanical adj switch or relay)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/25 15:33
S11 2	58	(solid adj state adj switch or triac) with thermostat with (mechanical adj switch or relay)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/25 14:41
S11 3	100	(solid adj state or triac) with thermostat with (mechanical adj switch or relay)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/25 14:42
S11 4	42	S113 not S112	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/25 14:42
S11 5	12	("4412487" "4857758" "5063836" "5404794" "5549035" "5836236" "5875703").PN. OR ("6240831").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/25 14:44
S11 6	3	"6907680"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/25 15:23
S11 7	28259	((proportional adj integral adj derivative) or pid)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/25 15:25
S11 8	6345614	(liquid or water or coffee or fluid or beverage)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/25 15:26
S11 9	10990	S117 and S118	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/25 15:26
S12 0	51974	(solid adj state adj switch or triac or scr)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/25 15:34

EAST Search History

S12 1	341	S119 and S120	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/25 15:34
S12 2	9	("3419708" "3647196" "4397101" "4418271" "5673497" "5696695" "5782012" "6079121").PN. OR ("6907680").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/19 09:48
S12 3	1	10/534195	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/19 09:49